JP8241414A ☑ **19960917** <u>FullText</u>

Title: (ENG) MOVING OBJECT DETECTION AND TRACE DEVICE AND THRESHOLD DECISION DEVICE

Abstract: (ENG)

PURPOSE: To provide a moving object detection/trace device which can stably detect and trace a dynamic object out of a dynamic image by attaining the optimum control of the difference interval and the threshold when the moving object is detected and also extracting the features of a static object.

CONSTITUTION: An inter-frame difference type moving object detection part 11 controls the difference interval through an frame space control part based on the moving speed of a moving object measured at a movement information extraction part and detects the moving object based on the threshold calculated from the frequency distribution of difference value calculated at an inter- adjacent pixel difference value calculation part. The detection results of both dynamic object detection parts 11 and 12 are converted into the presence probability of the dynamic object at an integrated processing part 13. A moving object trace part 14 secures the correspondence of feature value between the moving and static object feature extraction parts through the moving and static object correspondence parts. These processings are applied in optimum ways to each of areas which are divided at an image division part 10.